- 1. KONOVALOV. I. N.
- 2. USSR (600)
- 4. Plant Introduction
- 7. Changes in the life functions of plants as related to their transplantation to new regions.

 Trudy Bot. inst. AN SSSR. Ser. 6 No. 2, 1952

9. Monthly Lists of Russian Accessions, Library of Congress, March 1953, Unclassified.

MONOVALOV, I. N.; ARTYUSHENKO, Z. T.

Fruit - Morphology

Morphology of pod and berry types of fruit. Trudy Bot. inst. AN SSSR., Ser. 7, No. 2, 1951

9. Monthly List of Russian Accessions, Library of Congress, June 1958, Unclassified.

- 1. I. N. KCNOVALOV
- 2. USSR (600)
- 4. Catalpa

7. Change in the rhythm of growth of mulberry and catalpa due to adaptability during acclimatization. Dokl. AN SSSR 88 no. 1. 1953.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

ZALENSKIY, O.V.; SEMIKHATOVA, O.A.; VOZNESENSKIY, V.L.; KONOVALOV, I.W., redaktor; YAROVLEVA, V.M., redaktor; KARYAKIN, A.V., redaktor; ABONS, R.A., tekhnicheskiy redaktor.

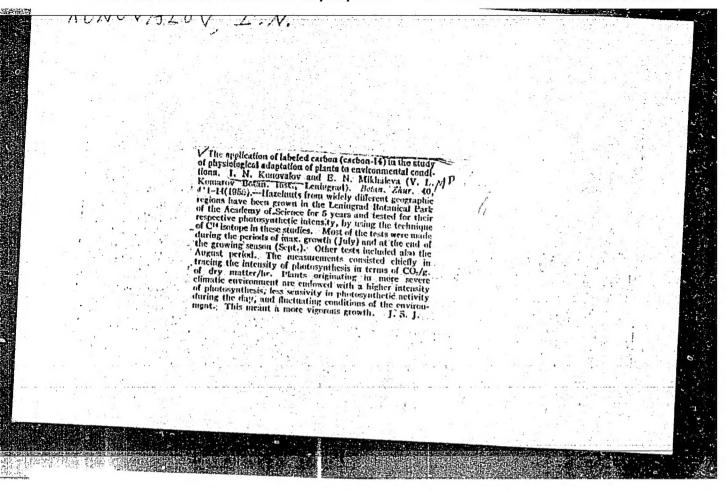
[Using radioactive darbon Cl4 in the study of photosynthesis]
Metody premenenia radioaktovnogo ugleroda Cl4 dlia izucheniia
fotosinteza. Moskva, Izd-vo Akademii nauk SSSR, 1955. 88 p.

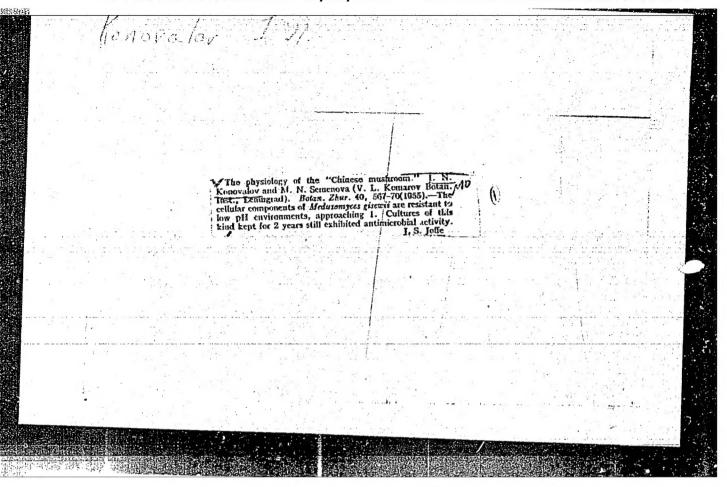
(Photosynthesis)

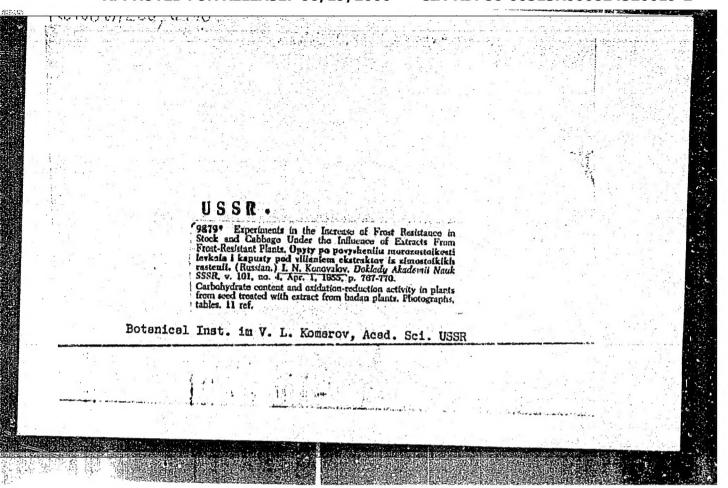
(Carbon—isotopes)

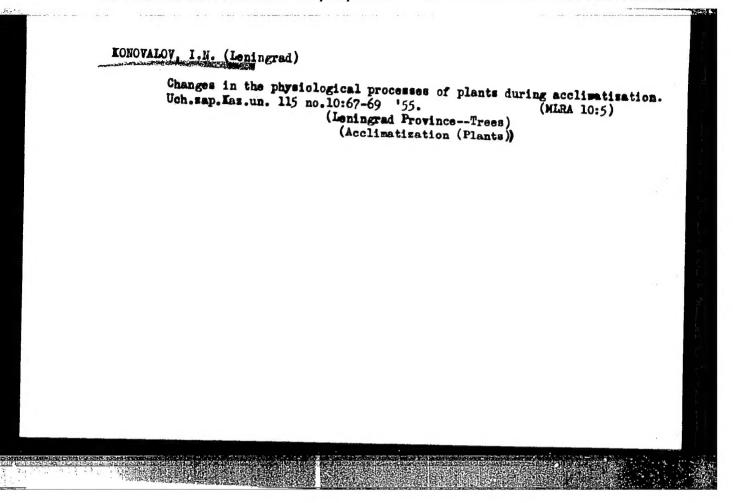
Change in the physiological processes of plants in connection with acclimatization. Trudy Bot.inst.Ser.4 no.10:101-138 '55.

(Acclimatization (Plants))









SOKOLOV, V.S., dektor biolegicheskikh nauk, professer, redakter; SOKOLOV, S.Ya., dokter biolegicheskikh nauk, professer, redakter; IL'IN, M.M., dekter biolegicheskikh nauk, professor, redakter; KOKOVALOV, I.H., dektor biolegicheskikh nauk, professor, redakter; SATSIPIROVA, I.F., kandidat farmatsevticheskikh nauk, redakter.

[New useful plants; recommendations of the all-Union conference on the introduction of new useful plants into cultivation] Newyo polesnyo rasteniia; rekemendatsii Vsesoiusnege seveshchaniia pe vvedeniiu nevykh pelesnykh rastenii v kul'turu. Moskva, 1956. 67 p. (NLRA 9:6)

1. Akademiya mank SSSR. Betanicheskiy institut.
(Plant introduction) (Plants, Gultivated)

vr. 1:17.

MINHALEYA, Ie.W.; KONOVALOV, I.W.

Adaptive variations in the gas exchange of Persian walnut plants during acclimatization. Trudy Bot.inst. Ser. 4 no.11:47-61 *56. (MLRA 9:9)

(Photosynthesis) (Acclimatization (Plants)) (Walnut)

BRILLIANT, V.A.; KONOVALOV, I.N.

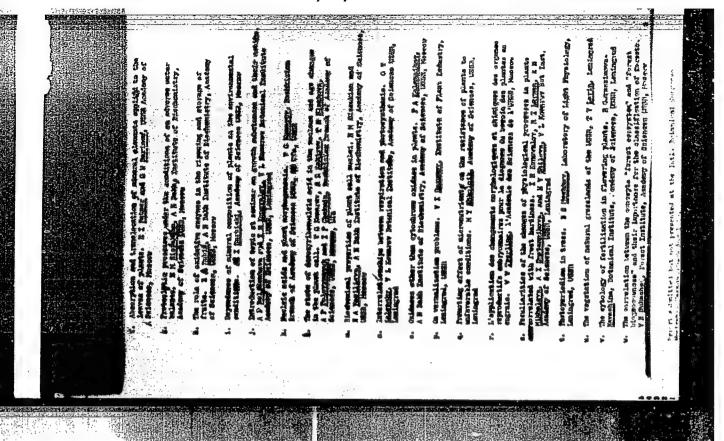
Survey of some results of research in the field of plant physiology and ecology done at the V.L. Komarov Botanical Institute of the Academy of Sciences of the U.S.S.R. Trudy Bot. inst. Ser. 4 no.12: (MIRA 11:7)

(Botanical research)

KONOVALOV, I.N.; MIKHALEVA, Ye.N.; ZARMAN, L.M.

Some new data on the physiological nature of frost resistance in plants. Trudy Bet. inst. Ser. 4 no.12:299-312 '58. (MIRA 11:7)

(Flants--Frost resistance)



L'VOV, S.D., otv.red. [deceased]; KONOVALOV, I.N., prof., doktor biolog. nauk, otv.red.; VIKHREV, S.D., red.12d-78; ZAMARAYEVA, R.A.,

[Results of and prospects for research in plant development; collection of papers based on data of the 2nd Conference of the All-Union Botanical Society, May 9-15, 1957] Itogi i perspektivy issledovanii rasvitiia rastenii; sbornik rabot po materialam II delegatskogo sezda Vsesoiuznogo botanicheskogo obshchestva 9-15 maia 1957 g. Leningrad, Izd-vo Akad.nauk SSSR, 1959, 222 p.

1. Vsesoyuznoye botanicheskoye obshchestvo. (MIRA 12:12)
AN SSSR (for L'vov).
(Botany--Physiology)

KONOVALOV, I.N.: EYDEL'MAN, Z.M.

V.N.Liubimenko's scientific work and the subsequent development of his theories. Trudy Bot.inst.Ser.4 no.13:7-12 '59.

(Liubimenko, Vladimir Nikolnevich, 1873-1937)

(Plant physiology)

KONDVAIOV, I.N.; MIKHALEVA, Ye.N.; SHCHEPOT'YEV, F.L.; PCBEGAYLO, A.I.

Changes in the physiological processes of plants resulting from their adaptation to new conditions of life. Trudy

Bot.inst.Ser. 4 no.13:113-135 '59. (MIRA 13:3)

(Walnut) (Acclimatization (Flants))

Accumulation of economically valuable substances in plants under different environmental conditions. Trudy Bot.inst.Ser.6 no.7: 40-47 '59. (MIRA 13:4)

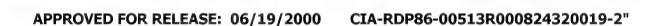
1. Botanicheskiy institut im. V.L.Komarova AN SSSR (BIN), Leningrad. (Plants-Chemical composition)

KONOVALOV, I.N.; LITVINOV, M.A.; ZAKMAN, I.M.

Variations in the nature and physiological characteristics of the tea fungus (Medusemyces gizevii Lindau) due to the conditions of cultivation. Bot. shur. 44 no.3:346-349 Mr '59.

(MIRA 12:7)

1. Botanicheskiy institut im. V.L. Komarova AN SSSR, Leningrad. (Antibiotics) (Yeast) (Acetobacter)



KONOVALOV. I.N.: SAPOZHNIKOV. D.I.: EYDEL MAN. Z.M.

Effect of Darwin's theory of evolution on the development of research in certain branches of plant physiology. Bot. shur. 44 no.11:1546-1552 N '59. (MIRA 13:4)

1. Botanicheskiy institut im. V.L. Komarova Akademii nauk SSSR, Leningrad.
(Plant physiology)

KONOVALOV, I.N.; LERMAN, R.I.; MIKHALEVA, Ye.N., SHILOVA, N.V.

Characteristics of changes in the physiological processes of plants as related to their adaptation to new environmental conditions [with summary in English]. Trudy Bot. inst. Ser.4 no.14:7-53 *60.

(Botany-Ecology)(Plant physiology) (Leningrad Province-Walnut)

KONOVALOV, I.N.; ZHUYKOVA, I.V.; ZINOV'YEV, L.S.

Affect of gibberellic acid on growth characteristics and winter hardiness of woody plants. Bot. zhur. 45 no.12:1721-1731 D *60.

1. Botanicheskiy institut imeni V.L. Komarova Akademii nauk SSSR, Leningrad.

(Gibberellic acid) (Woody plants)

SHKOL'NIK, M.Ya., red.; KONOVALOV, I.N., red.

"Physiology of irragated wheat" by M.S.Petinov. Reviewed by M.IA.Shkol'nik, I.W.Konovalov. Izw. AN SSSR. Ser. biol. no.4: 653-656 Jl-Ag '61. (MIRA 14:9)

(WHEAT) (PETINOV, N.S.)

ZINOV'YEV, L.S.; KONOVALOV, I.N.; CHERNYAYEVA, I.I.

Effect of gibberellic acid on the interruption of dorman arboraceous plants. Bot. zhur. 46 no.12:1761-1486 D '61.

(MIRA 15:1)

1. Botanicheskiy institut imeni V.L. Komarova AN SSSR i Vsesoyuznyy institut sel'skokhozyaystvennoy mikrobiologii Vsesoyuznoy akademii sel'skokhozyaystvennykh nauk imeni Lenina, Leningrad.

(Alberellic acid)
(Dorman)

(Trees)

Changes of physiological processes in plants in the course of their introduction as related to their frost resistance. Trudy Bot. inst. Ser. 4 no.15:68-83 '62. (MIRA 15:7) (Plants--Frost resistance) (Plant introduction)

MANOLYLENKO, Kseniya Viktorovna (Ryazanskaya); RAYKOV, B.Ye., prof., zasl. deyatel' nauki, otv. red.; BAKHTEYEV, F.Kh., prof., retsenzent; BOBROV, Ye.G., prof., retsenzent; KANAYEV, I.I., prof., retsenzent; KONOVALOV, I.N., prof., retsenzent; BELKINA, M.A., red. izd-va; AREF'YEVA, G.P., tekhn. red.

[A.F. Batalin, the outstanding Russian botanist of the 19th century] A.F. Batalin, vydaiushchiisia russkii botanik XIX veka. Moskva, Izd-vo Akad. nauk SSSR, 1962. 130 p. (MIRA 16:2) (Batalin, Aleksandr Fedorovich, 1847-1896)

KONOVALOV, I.N.; VASIL'YEV, A.V.; MIKHALEVA, Ye.N.; DZHALAGONIYA, K.T.

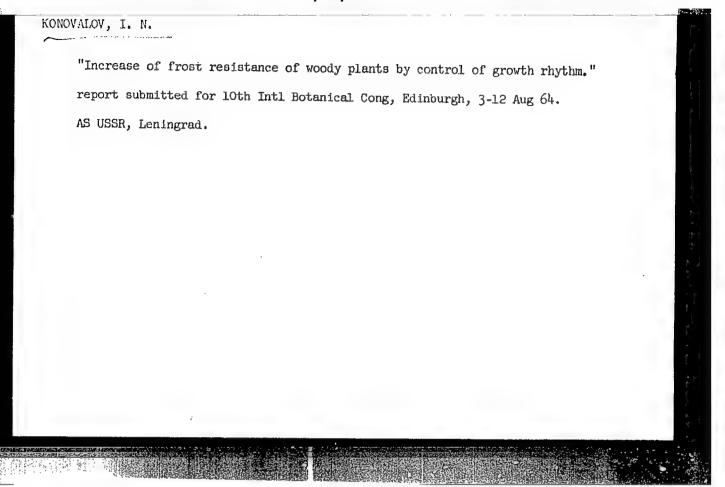
Characteristics of changes in the physiological processes of some subtropical plants as related to their origin. Trudy Bot. inst. Ser. 4 no.16:75-100 '63. (MIRA 17:2)

KORYAKINA, Valentina Fedorovna; KONOVALOV, I.N., otv. red.; VIKHREV, S.D., red. izd-va; SMIRNOVA, A.V., tekhn.red.

[Characteristics of the growth and development of perennial forage plants] Osobennosti rosta i razvitiia mno-goletnikh kormovykh rastenii. Moskva, Izd-vo "Nauka," 1964. 286 p. (MIRA 17:3)

KONOVALOV, Il!ya Nikolayevich; VIKHREV, S.D., red.izd-va; SOROKINA, V.A., tekhn.red.

[Physiology of introduced plants.] Fiziologiia introdutsiruemykh rastenii. Moskva, Izd-vo Akad. nauk SSSR, 1963. 61 p. (Komarovs-kie chteniia no.16). (MIRA 1712)



MANOYLENKO, K.V.; KONOVALOV, I.N.; ZHUYKOVA, I.V.

Study of the combined effect of gibberellin, heteroauxin and mineral nutrition on woody plants. Bot.zhur. 49 no.ll:1600-1608 N *64.

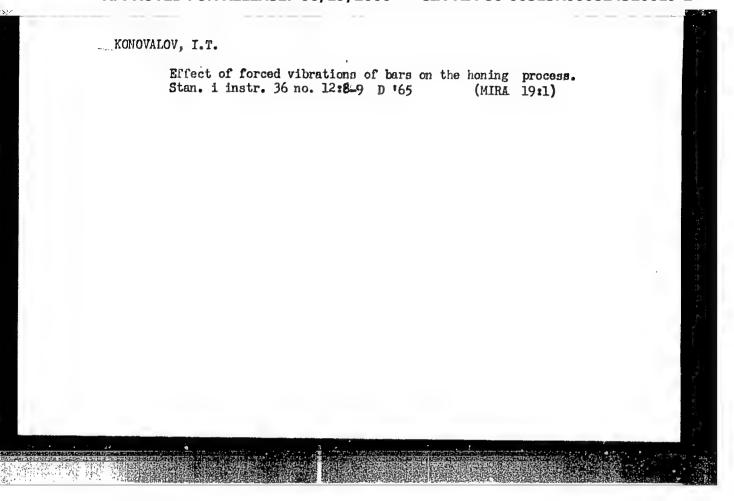
1. Botanicheskiy institut imeni V.L.Komarova AN SSSR, Leningrad.

RADCHENKO, S.I.; KONOVALOV, I.N.; POZDOVA, I.M.

Cold resistance of corn in the Karelian Isthmus. Trudy Bot.inst. Ser.4 no.17:53-72 64. (MIRA 18:1)

MANOYLENKO, Kseniya Viktorovna; BAKHTEYEV, F.Kh., prof.,
retsenzent; KANAYEV, I.I., prof., retsenzent; KONOVALOV,
I.N., prof., retsenzent; YAKOVLEV, M.S., prof.,
retsenzent; RAYKOV, B.Ye., zasl. deyatel' mauki prof., otv.
red.

Nikolai Ivanovich Zheleznov. Moskva, Nauka, 1965. 203 p.
(MIRA 18:12)



KUZNETSOV, S.I.; SEREBRENNIKOV, O.V.; DEREVYANKIN, V.A.; VOLKOVA, P.I.;
PAVLOV, F.N.; YEVTYITOV, A.A.; CHEMODANOV, V.S.; STOLYAR, B.A.;
KONOVALOV, I.V.; LIVER, V.B.; MIYCHENKO, V.S.; SMIRNOV, B.A.

"Production of alumina" by A.I. Lainer. Reviewed by S.I.
Kuznetsov and others. TSvet. met. 34 no.11:85-86 N '61.

(MIRA 14:11)

1. Ural'skiy politekhnicheskiy institut (for Kuznetsov,
Serebrennikov, Derevyankin). 2. Ural'skiy filial AN SSSR
(for Volkova, Pavlov). 3. Ural'skiy alyuminiyevyy zavod (for
Yevtyutov, Chemodanov, Stolyar). 4. Bogoslovskiy alyuminiyevyy
zavod (for Konovalov, Liver, Miychenko). 5. Sverdlovskiy
Sovnarkhoz (for Smirnov).

(Alumina)

(Lainer, A.I.)

KCNOVALOV, I.V.

Genesis of Yeravninsk iron ore deposits. Geol. i geofiz. no.11:60-68 164. (MIRA 18:4)

1. Institut zemnoy kory Sibirskogo otdeleniya AN SSSR, Irkutsk.

KONOVALOV, K.

All schoolchildren get breakfast and lunch in the school dining room. Obahchestv. pit. no.6:31 Je. '63. (MIRA 16:12)

1. Direktor tresta stolovykh Knybyshevskogo rayona Leningrada.

Signal light networks with semiautomatic block systems should be standardized. Avtom., telem.i sviaz 6 no.4:29-30 Ap :62:

(MIRA 15:4)

1. Lengiprotrans.

(Reilroads-Signaling)

KONOVALOV, K.A.

Selection of a standard semiautomatic block system network. Avtom., telem. 1 sviaz' 8 no.11:16-19 N '64.

(MIRA 17:12)

1. Rukovoditel' gruppy Loningradskogo gosudarstvennogo proyektnoizyakatel skogo instituta Gosudarstvennogo proizvodstvennogo komiteta po transportnomu stroitel'stvu SSSR.

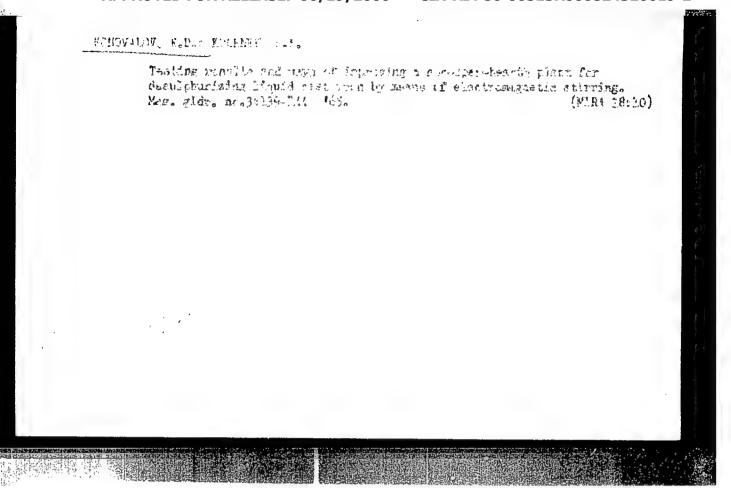
CIA-RDP86-00513R000824320019-2" APPROVED FOR RELEASE: 06/19/2000

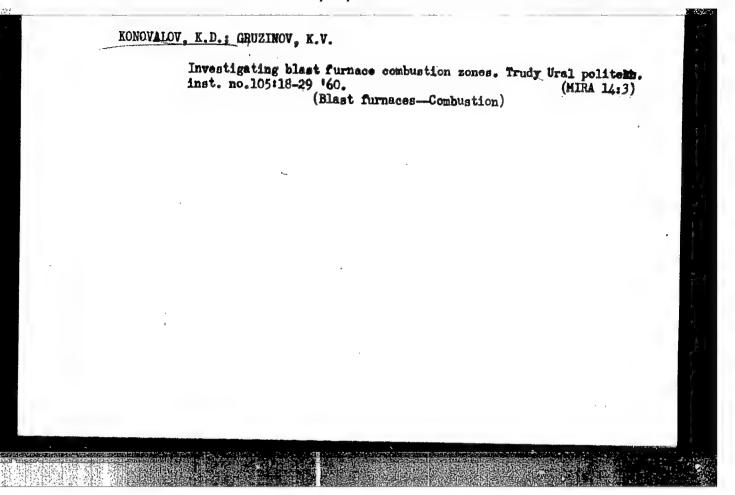
KONOVALOY, K. A., insh.

Design workers need good handbooks. Avtom., telem. i svias' 7 no.4:41 Ap '63. (MIRA 16:4)

1. Lengiprotrans.

(Railroads-Signaling)





"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824320019-2

L 14243-66	EWT(m)/EWA((d)/BWP(t)/BWP(s)/	EWP(P)	IJP(c)	JĎ

ACC NR. AP5024914

UR/0382/65/000/003/0139/0144

AUTHOR: Konovalov, K.D.; Kochnev, E.K.

ORG: None

TITLE: Results of tests and approaches to the optimization of an external to the blast furnace installation for the removal of sulphur from cast iron by electrical stirring 15, 14

SOURCE: Magnitnaya gidrodinamika, no. 3, 1965, 139-144

TOPIC TAGS: metal refining, cast iron refining, cast iron desulphurization, electromagnetic chemical refining, magnetohydrodynamic stirring

ABSTRACT: Research on cast iron desulphurization by chemical additives and electrodynamic stirring is discussed. AC electromagnets were utilized for stirring. The frequency used was 50 c/s; the initial sulphur content of the pig iron was between .08% and .14%. mixtures of A1, CaF and CaO, Pig.1; NaCl, - Pig. 2; and Na₂CO₃, - Fig 3, were tried. Up to around 60% of sulphur could be removed. Analysis, observations and experiments with a mercury similitude model point to 26 c/s as the optimum frequency. Heating of the desulfurator/iron interface is considered necessary. Electrical features of the power supply and of the controls are given. Orig. art. has 6 figs, 1 table. Figures on card 2/2.

Card 1/2

UDC 669.162.267.6 + 538.4

APPROVED FOR RELEASE: 06/19/2000

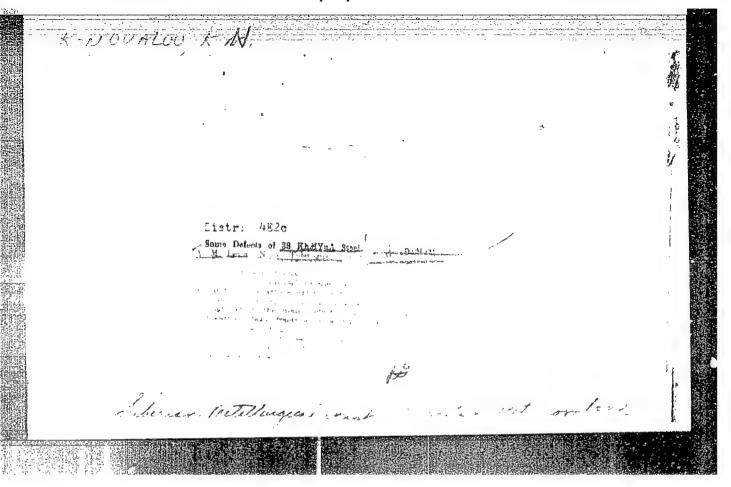
CIA-RDP86-00513R000824320019-2

Stroitel'stvo I Mekhanizatsiya Rabot Na Zhivot-Novodcheskikh Fermakh. Posobiye Dlya Agrozootekhn. Kursov. Ashkhabad, Turkmengosizdat, 1954. 44s. s Ill. 19sm. 10.000 EKZ. 50k. - Na Turkm. Yaz. (54-56039) 636.083.1:69*636.0025

DANILOV, P.M.; KONOVALOV, K.N.; TEDER, L.I.; CHUDAYEVICH, M.G.

Improvements in the technology of saelting and pouring transformer steels. Fig.met.i metallowed. 1 no.1:139-142 '55. (MLRA 9:3)

1. Kuznetskiy metallurgicheskiy kombinat imeni Stalina. (Sheet steel--Metallurgy)



KONOVALOV, K.H.

Heating ingot deadheads with gas. Biul. TSNIIGHM no.16:48-49 '57. (MIRA 11:5)

1. Kuznetskiy metallurgicheskiy kombinat.
(Steel castings)

TOISTOGUZOV, N. V., KONOVALOV, K. N., GLAZOV, A. N., TEDER, L. I., DANILOV, P. M. SHIRINKIN, E. N., and GUDAYEVICH, M. G.

"Vacuum Erreatment of the MX 15-Steel and Commercial Experience of the Vacuum Transformer Treatment."

paper presented at Second Symposium on the Application of Vacuum Metallurgy.

Moscow 1-6 Jul 5-8

133-58-4-9/40

AUTHORS: Konovalov, K. N., Korneva, N. K., Danilov, P. M., Teder, L. I., Drobyazko, T. T. and Shtepa, A.S., Engineers.

TITLE: Gaseous Heating of Ingot Heads (Gazovyy obogrev

pribyl'noy chasti slitka)

PERIODICAL: Stal', 1958, Nr 4, pp 311-316 (USSR)

ABSTRACT: The use of an oxygen-coke-oven gas mixture for heating the hot tops of ingots weighing 5.6 to 6.7 tons developed on the Kuznetsk Works is described. The following optimal parameters for injector burner (Fig.1) were established: the diameter of the oxygen nozzle - 5 mm; the diameter of the mixing chamber - 16 to 18 mm; the diameter of the outlet 17 mm widening to 21 mm, the diameter of the tube for the gaseous mixture 1 1/2".

Oxygen pressure 4-7 atm, coke oven gas pressure 200-350 mm H₂O. Consumption of gas 40-70 m²/hr and of oxygen 15-30 m²/hr. Experiments were carried out on 6-ton ingots of open hearth steel using the usual and experimental hot tops (of a smaller cross section but better insulated). Floating hot tops (Fig.2) were also tested. The duration of heating varied from 60 to 90 min, depending on the Card 1/3 level of metal. The influence of gaseous heating on the

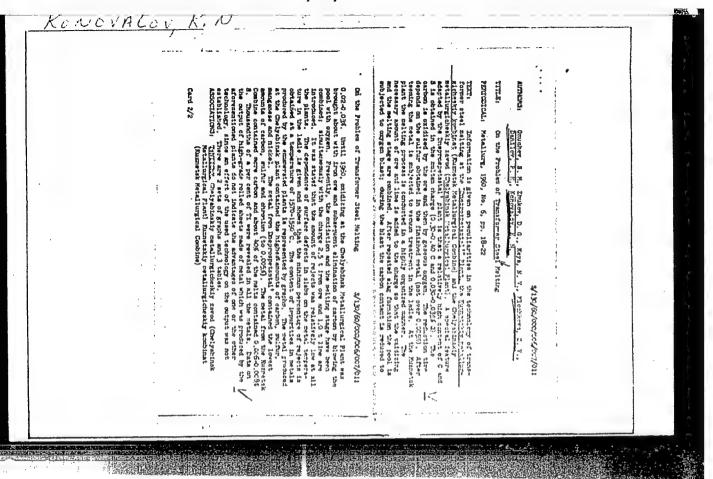
Gaseous Heating of Ingot Heads

133-58-4-9/40

quality of steel was studied on transverse macro-templets cut out from the upper part of ingots after crop end (Fig. 3). Chemical analysis indicated oxidation of aluminium, manganese and silicon (Fig.4). When bunkerite was added and carrying out heating under a protective layer of slag (by adding chamotte, furnace slag etc.) with a small addition of deoxidants, the oxidation of elements was stopped. The experimental results are shown in the Table. It was established that gaseous heating is possible, the quality of metal did not deteriorate and the yield of good semis increased by 5-7% due to a decrease in crop head from 17-18% to 10-11%. Similar experiments were carried out with stainless steel 1Kh18N9T. The results obtained indicated that the heating conditions (the ratio of the consumption of gas and oxygen and heating intensity) have a deciding influence on the oxidation of titanium and the quality of the macrostructure of steel. The following optimal conditions Heating periods. were established:

Card 2/3 duration of heating period, min. 30-40 30-40 20-30 oxygen pressure, atm 6 5 4-3

		K	LL	1.4) (./	AL.	O C	1	Ki	U.		g	*****	4	- ·				n. is supposed to the state of		der oo gewood j	: : :	- LOTAN & I		1	1	
		•				, , , , , , , , , , , , , , , , , , , ,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	-	i	3	فعلمه		~~4 Ed.		سخنم		-					. !		•		1,	7
	Is Torona.	. O.A. Zeglo, and B.M. Leglopkith. The Effect of Hydre Lettrity of Silicon is Holten Cast Iron	Driving, L.La. A.i., Larger, and "h.M. Smarin. Investigation of the Einstics of Steel Decarburisation in Factum by Means of a Mass Spectrometer 243	Vishbarer, j.F., and <u>V.F. Konishor.</u> Destruction of Monumetallia Employeems in the Vector to Steel 200	Burtary V.C., B.4. Karaser and A.M. Samarin. Devalturisation of Moltan Ibm Alleys in Vecums	Salt. C. [Polish Pople's Republic, Institute of Iron Metallurgy in Clivice]. Varum Maling and Porting of Alloyed Carbon Steel	slovsk People's Rapublic, Flash Flash the Quality of Aluminum Alloys	<pre>Beighor, D.F., Ind. Mel'Edger.and M.TaStortio Investigation of Vacuum- Tended Steel for Castings</pre> <pre>205</pre>	Thistogners, H.T., M.J. Tempelers, A.E., Chaery, L.L., Tedar, M.G., Chiedoryrich, P.H., Danlar and To.E., Shiphin, Vacuum Traducts of Molten Transformer Steal and at 2025 [5 Steal [4.5. Shippin, 1.3. Kitasamba, P.S., Flahkmory F.S., Flahk	performed by the Descript-townking schallunglobackly families (Despropet- performed by the Descript-townking schallunglobackly families) (Despropet- persk betallunglockl Zentitute) and the "Despropet-townlow" (Descript- Electrical Steel Mill, is Exproved by a Vib. Supersking of engineers V.B. Scherolity, M.F. Sentischber, I.M. Beblor, L.U. Barnah, A.M. Hear', Y.P. Sheetl, A.I. Extrat, P.A. Emalo, Tu.P. Valorich and G.P. Farbhomesko] 189	Gardon H.M., A.F. Trembenio, and Se.I. Sadinov. The Effect of Tacum	Other D.W., Gebrelon, L.L. Anchales, Ean Torons, T.Z. Danilla part. E.G. Lapthors. 'Ges of Yacrum for Improving the Quality of Alloyed Steels sub- landing party. L.C. Lat. ("Lat. Tu.D." Maintenant." Some Theoretical and Frantical Training of Steels Degretary.	Ingeralization, and Filabolization. The Effect of Factor Treatment is Ladia on the Veldekility of Sessent Constructional Leal	Rameherr, N.P., and U.E. Trobabor. The Effect of Vecum Treetment in Ladia on the Properties of Sessman Eall Steel	Borth, L.M., A.S. Lubrits, and A.M. Samarin. Tayon Treatment of Sessener 145	PART IV. DEGASSING OF STREE, AND ALLOYS	<u>Jedovy. T.E., and F.I. Sherry.</u> Physicochemical Principles of Vacuum-Therade Herhods of Franking Lithium	.P., and S.J. Ehiti	oppuls: The body contains information on steel soliting in returns hondries and there are furnaces, reduction processed in returns, and departing of made and equipment, specially steel and tallyst. The functioning of apparetus and equipment, specially steel and the same bootstr pumps is also smallysed. Personalities are manuscasted in commention with some of the articles and will appear in the Table and Comtants. Three articles have been translated from inglish. Some of the	Fried Burn	Beep. Mat. A.M. Samaria, Corresponding Nesber, Academy of Satences Union Har- va Publishing Senset G.M. Mahryahiy; Yoob. Ed.: S.G. Markyytah.	nt metalinophi immi a.a. ave	of Warran in Metallurgy) Noseow, agerted, 4,500 copies primted.	rolavodati	STST/AGE EDITATIONALE NOOR I RETIL		
	S.	<u></u>		- ;	. 7										\		1	سي ۲۰۰	8-spin =						17	1	¥1
11000	25400	Sta & B.	- E-16-16	ではない	are with							2					draw.										



KONOVALOV, K.N.; PASHCHENKO, V.Ye.

Technology of smelting and pouring cold-rolled transformer steel. Metallurg 7 no.7:17-20 Jl '62. (MIRA 15:7)

ACCESSION NR: AP4019474

s/0133/64/000/003/0229/0231

AUTHORS: Konovalov, K. N. (Engineer); Glazov, A. N. (Engineer); Damilov, P. M. (Engineer); Pashchenko, V. Ye. (Engineer)

TITLE: The effect of ingot mold lubrication on the surface quality of steel lkhl8N9T

SOURCE: Stal*, no. 3, 1964, 229-231

TOPIC TAGS: steel, lKhl6N9T stainless steel, steel melting, steel pouring, ingot mold lubricant, oxidizing lubricant, reducing lubricant, evaporative lubricant, refractory powder, slag powder, naphthalene, anthracene, petrolatum, lakoil lubricant

ABSTRACT: The effect of ingot mold lubrication on the quality of the surface of stainless steel ingots (lkhl8N9T) was studied experimentally. The casts were produced by both top— and bottom-pouring methods. The results showed that the addition of oxidizing or reducing powders to the usual lubricant did not eliminate the formation of crust and of pitted surface, while evaporative lubricant applied to cool molds decreased the number of pits but increased various defects associated

Card 1/2

ACCESSION NR: APLO19474

with the formation of crust. It was also determined that the absence of lubricant or the use of the refractory and slag powders as substitutes for lubricants increased the number of scabs on the ingot surface, and that the presence of moisture or of organic matter in such powders increased the degree of surface pitting. Adding dry borax to the "lakoil" lubricant improved somewhat the surface quality, whereas using naphthalene, anthracene, and petrolatum as lubricants created reducing conditions during steel pouring and resulted in a uniform "lubricating" layer of scot on the mold walls and produced a greatly improved general appearance of the ingot surface. Orig. art. has: 3 figures.

ASSOCIATION: Kuznetskiy metallurgicheskiy kombinat (Kuznetsk Metallurgical Combine)

SUBMITTED: 00

DATE ACQ: 27Mar6h

ENCL: 00

SUB CODE: ML

NO REF SOV: 003

OTHER: 000

Card 2/2

KONOVALOV, E.N., inch.

Some causes of surface defects in stainless steel. Stal' 25 no.2:153-157 F'65.

1. Kucaetskiy metallurgicheskiy kombinat.

GLAZOV, A.N.; KONOVALOV, K.N.; MONASTYRSKIY, V.Ya.; PASHCHENKO, V.Ye.

Improving the quality of ingots of ShKx15 ball bearing steel.

Metallurg 10 no.8:20-21 Ag *65. (MIRA 18:8)

1. Kuznetskiy metallurgicheskiy kombinat.

MGNASTYRSKIY, V.Ya.; DUBROVIN, A.K.; LASKARONSKIY, E.N.; GLAZOV, A.N.;
DANILOV, P.M.; KONOVALOV, K.N.; MIKHEYEV, V.G.; TEDER, L.I.

Improving the technology of smelting, pouring, and heating
0 ~ 2Khl3 steel ingots. Metallurg 10 no.12:14-16 D '65.

(MIRA 18:12)
1. Kuznetskiy metallurgicheskiy kombinat.

ZHURIKGV, V.N.; IL'IN, M.A.; KRASAVIN, N.N.; PISKUNOV, V.T.; RUSINOV, I.V.; SUVOROVA, L.I.; TSIKOTO, I.A.; KONOVALOV, L., red.; MUKHIN, Yu., tekhn. red.

[Reader in agricultural economics] Kniga dlia chteniia po ekonomike sel'skogo khoziaistva. Moskva, Politizdat, 1963. 287 p. (MIRA 17:1)

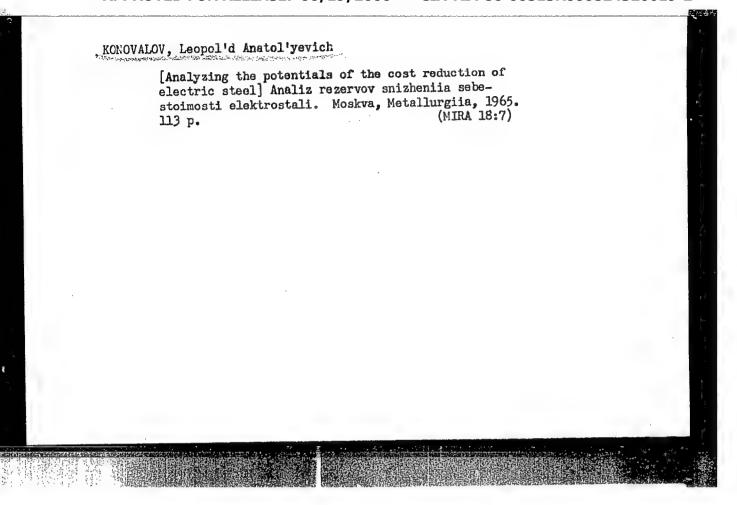
AL'PEROVICH, Yuriy Izrailevich, zburnalist; ECHOVALOV, L., red.

[In the fields of the future] Na poliakh bodushchego. Moskva, Politizdat, 1964. 174 p. (MIRA 18:2)

DUKHNEVICH, Vadim Ignat'yevich; KONOVALOV, Leopol'd Anatol'yevich;
SKOROKHODOV, A.A., retsenzent; RADUKIN, V.P., red.; SYRCHINA,
M.M., red. isd-we; MAL'KOVA, N.T., tekhn. red.

[Steel costs]Sebestoimost' stali. Sverdlovsk, Metallurgizdat, 1962. 57 p. (MIRA 15:7)

(Steel—Costs)

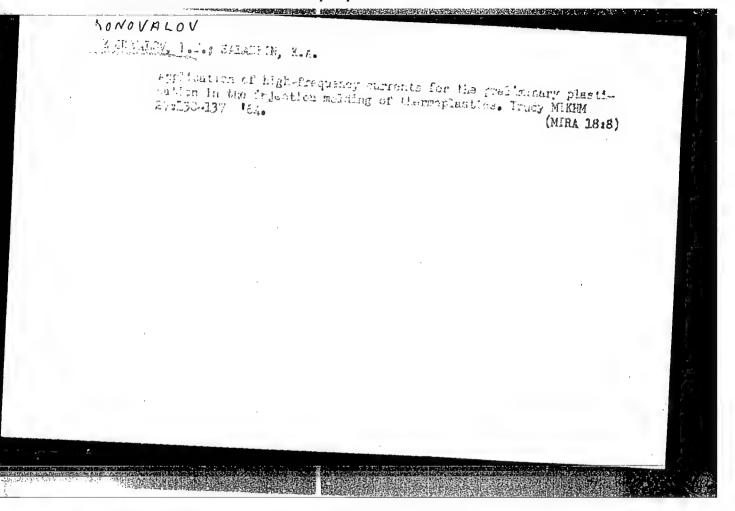


KONOVALOV, L.A.; GLUVSHTEYN, I.V., red.; KOVALEVSKIY, M.A., red. izd-va; EN'YEKOVA, G.M., tekhn. red.

[Business accounting is a means of mobilizing internal potentials] Khoziaistvennyi raschet - uslovie mobilizatsii vmutrennikh rezervov. Moskva, Metallurgizdat, 1963. 25 p. (MIRA 17:3)

For themselves. Okhr. trude i sots. strakh. 5 no.5:10-11
My '&2. (MIRA 15:5)

1. Tekhnicheskiy inspektor Novosibirakogo oblsovprofa.
(Berdsk-Radio industry-Hyglenic aspects)



MAT'TSEV, M.V.; KONOVALOV, L.I.

Possibilities for increasing brick production. Stroi. mat. 11 no.2:26-27 F 165. (MIRA 18:3)

1. Glavnyy inzh. Cheremushkinskogo keramicheskogo zavoda (for Mal'tsev). 2. Nachal'nik tekhnicheskogo otdela Cheremushkingskogo keramicheskogo zavoda (for Konovalov).

TATESTA, L.E.; H.IVANERENO V.S.; KORDAT, M.I. 100004157, 1.H.;

IMPER, 1.V.; CHEROTREY, M.T.

Physicochemical properties of the trystal hydrates of rare-earth sulfates of the tarbium authoroup. Znur.meorg.khim.
10 no.8:1761.1770 Ag 165.

1. Submitted May 5, 1964.

(MIRA 1981)

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824320019-2

KONOVALOV L. N.

USSR/Cultivated Plants. Coreals:

M

Abs Jour: Ref Zhur-Biol., No 17, 1958, 77575.

Author : Terent'yev, V.M.; Stasenko, N.N.; Konovalov, L.N.

Inst : Institute of Biology AS DSSR.

Title : On Several Features of Growth and Development of

Grain Crops on Peat Soil.

Orig Pub: Byul. In-ta biol. AN BSSR, vyp. 2, 1956 (1957),

94-99.

Abstract: Observations were conducted for the development

of plants of Kitchener wheat on peat and mineral soils. On the peat soil, tillering and shooting up was more intensive, but in the fruit-bearing organs, less dry substance accumulated than on the mineral soil, in connection with which the

Card : 1/2

KRASKO, Lev Maksimovich; KONOVALOV, L., red.; TROYANOVSKA7A, N., tekim. red.

[Advanced practices should be known to each agricultural worker] Peredovoi opyt - kazhdomu rabotniku.sel'akogo khoziaistva. Moskva, Gos izd-vo polit. lit-ry, 1961. 46 p.

(MIRA 15:4)

1. Sotrudnik gazety "Sel'skaya zhizn" (for Krasko).

(Agriculture)

38596

S/081/62/000/010/082/085 B166/B144

AUTHOR:

Konovalov, L. I.

TITLE:

Heating rubbers in a high-frequency electric field

PERIODICAL:

Referativnyy zhurnal. Khimiya, no. 10, 1962, 659, abstract

· 10P427 (Tr. Mosk. in-ta khim. mashinostr., v. 21, 1960,

125-130)

TEXT: The process of raising the temperature of polychloroprene and styrene-butadiene rubbers (SBR) to 100°C in an alternating electric field at a frequency of 10 Mc/s (for polychloroprene) and 20-25 Mc/s (for SBR), with a field strength of 300 to 350 v/mm and a h.f. oscillator efficiency of 31% was studied. The temperature was measured by a needle-type thermocouple with the current switched off. This method gives more uniform and rapid heating than the use of hot air, (150°C). Heating a plate of SBR 60 to 100 mm thick takes 2 min; heating a bale of polychloroprene rubber measuring 150.200.60 mm takes only 40 to 45 sec, at a specific electric power consumption of 0.17 kwh/kg and 0.11 kwh/kg respectively. The industrial use of high-frequency currents for drying and decrystallizing Card 1/2

CIA-RDP86-00513R000824320019-2" APPROVED FOR RELEASE: 06/19/2000

և0969 s/081/62/000/016/040/0**43**

B171/B186

15.9300

AUTHORS: Rozanov, S. P., Konovalov, L. I.

TITLE: Investigation on electrophysical properties of rubbers

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 16, 1962, 556, abstract 16P341 (Tr. Mosk. in-ta khim. mashinostr., v. 21, 1960, 107 - 124)

TEXT: The dielectric constant (ϵ), the angle of dielectric losses ($\tan \delta$) and the coefficient of dielectric losses in CMC-30 (SKS-30), CMC-30A (SKS-30A) and in chloroprene rubber (CP) were investigated with the help of an universal q-meter in the frequency range of 500 kc/sec.-25 mc/sec, at 20 - 150°C. For SKS-30 and SKS-30A, the experimentally obtained value of ϵ was ~2.5 (calculated value 2.27) and changed only little with frequency (ω). tan δ increases insignificantly with the increase of ω . Both ϵ and tan δ remain constant when the temperature changes but they increase with the increase in plasticity of rubber. For CP, ϵ decreases and tan δ increases with the increase of ω , ϵ increases and tan δ decreases as the plasticisation of rubber progresses. With the progress of sulfur-

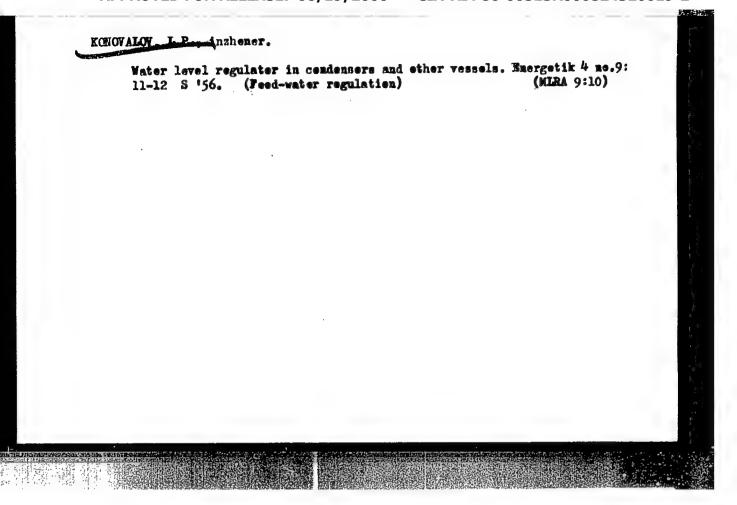
Card 1/2

KOMOVALOV, L. P.; RAVINGKIY, A. M.; KARPINGKIY, V. H.; Engs.

Steam Boilers

Feeding scheme of boilers operating without a water caretaker, Elek. sta. 24, No. 1, 1953.

9. Monthly List of Russian Accessions, Library of Congress, May 1953, Unclassified.



Operation of automatic controllers of combustion in boilers. Energetik 4 no.10:6-7 0 '56. (MLMA 9:11)

(Combustion) (Automatic control)

AID P - 4370

Subject : USSR/Heat Engineering

KOWONDELOV, LIP

Pub. 110-a - 15/19 Card 1/1

: Konovalov, L. P., Eng. Dnepr Power System Author

Self-starting of a stand-by turbopump Title

Teploenergetika, 3 4, 57, Ap 1956 Periodical:

: The article gives a description of a self-starting Abstract

turbopump carrying water to the boiler drum installed at one of the power plants in the south. The installation is controlled by the feedwater pressure. One diagram.

Institution: None

: No date Submitted

Steam pressure regulator for turbine end packing. Energetik 5 no.10: 8-9 0 '57. (Turbines)

AUTHOR:

Konovalov, L.P., Engineer

SOV/91-58-3-5/28

TITLE:

The Automatic Loading of Grinders with Coal (Avtomaticheskaya zagruzka mel'nits uglëm) Exchange of Experience (Obmen

opytom)

PERIODICAL:

Energetik, 1958, Nr 3, pp 8-9 (USSR)

ABSTRACT:

The author reports that application of an ER-Sh electronic regulator for controlling the coal load in power-plant mills is a success. The regulator, combined with heat laboratory, controls the automatic unit as well as __ature measurements (SNATI). The regulator Justed to control both mills with or without separator and intermediate hopper. A diagram showing the load regulation of the coal grinder without separator and intermediate hopper is given. The regulator was constructed on the basis of the electronic regulator ER-III and can be substituted by other control units (electromechanical, pneumatic, hydraulic, etc.). The described electronic regulator was installed at the Kennedi ball mills of 5 ton/hour capacity. The mills are working without se-

Card 1/2

SOV/91-58-3-5/28

The Automatic Loading of Grinders with Coal. Exbhange of Experience.

parators and intermediate hoppers. Every boiler has 2 mills. The maximum productivity of single boilers is 70 ton/hour. Anthracite dust (ASh) was used as fuel. There is 1 diagram.

Card 2/2

screngen is proposed for alloy and carbon structural steels.

Card 1/2

UDC: 621.81-19

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000824320019

ACC NR: AP7003841

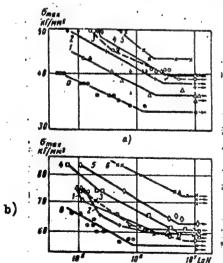


Fig. 1. Fatigue curves: a - 45 steel; b - 40KhN steel for various values of $\Delta \sigma / \sigma_{-1}$.

Curves 0 - tests with constant stress

Orig. art. has: 4 formulas, 7 graphs, and 2 tables.

SUB CODE: 11, 20/ SUBM DATE: none/ ORIG REF: 009
Cord 2/2

YAROSLAVSKIY, N.G.; KONOVALOV, L.V.

Long-wave absorption spectra of complex compounds of aniline with metals. Dokl. AN SSSR 162 no.1:144-146, My '65. (MIRA 18:5)

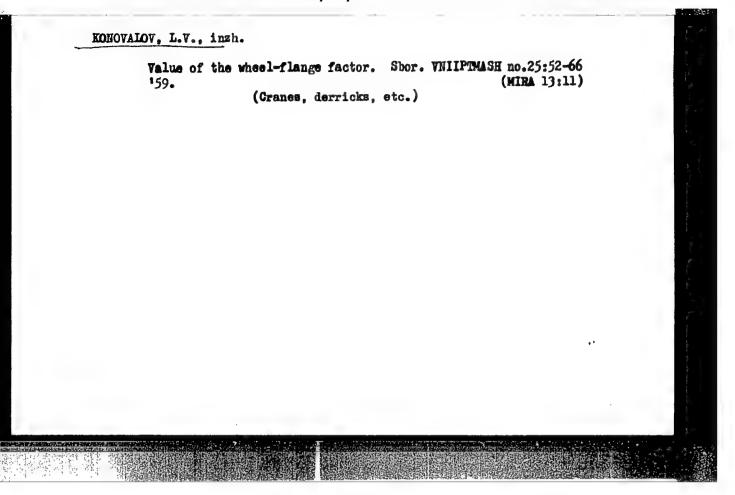
1. Submitted November 9, 1964.

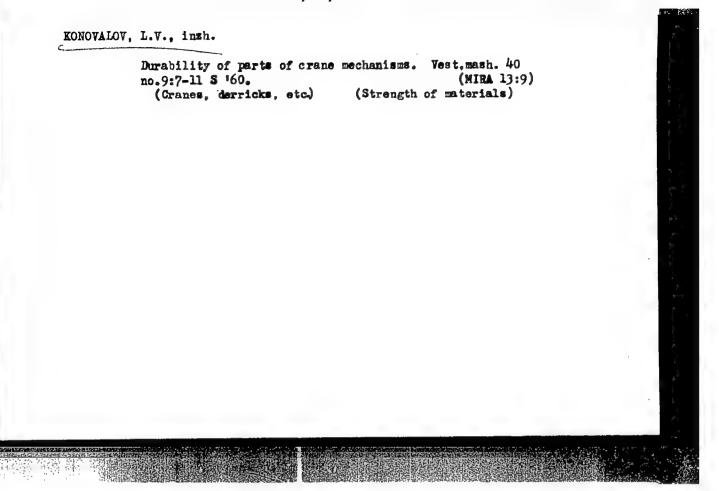
KONOVALOV, L.V., inzh. Relative duration of the operating period as a characteristic of the load graph of a crane gear. Vest.mash. 41 no.7:33-35 J1 61. (MIRA 14:6) (Cranes, derricks, etc.)

KONOVALOV, L.V., inzh.; SPITSYNA, I.O., kand.tekhn.nauk; FREYDERRG, S.I., inzh.

Idfe of crane parts. Sbor. WNIIPMASH no.25:3-16 '59 (NIRA 13:11)

(Granes, derricks, etc.)





28171 S/145/61/000/005/005/009 D221/D306

10 7400

AUTHORS:

Shuvalov, S.A., Candidate of Technical Sciences, and

Konovalov, L.V., Engineer

TITLE:

Consideration of variable loads when calculating

fatugue resistance in bending

PERIODICAL:

Izvestiya vysshykh uchbenykh zavedeniy. Mashino-

stroyeniye, no. 5, 1961, 51 - 59

TEXT: The authors suggest the use of a unified method of fatigue tests for components working with variable stresses in order to assess the effect of metal training by various loads. Experiments carried out by BHNNNTMAW (VNIIPTMASh) and UHNN YM (TSNII ChM) employed variable symmetrical loads in bending on a MBN -12000 (MVP-12000) program controlled machine. Specimens were plain round, without stress concentrations. The amplitude of stresses during each test was continuously varied by a cam mechanism following in section AO (Fig. 1) the step function of

Card 1/8

28171 S/145/61/000/005/005/009 D221/D306

Consideration of variable loads ...

$$n_{l} = n_{c} \left(\frac{M_{l} - M_{min}}{M_{max} - M_{min}} \right)^{4 - \frac{1}{4}} \tag{1}$$

where M_i , M_{max} , M_{min} (σ_i , σ_{max} , σ_{min}) are the current, maximum and minimum amplitudes of bending moment; n_c - number of half cycles of load per period of stress amplitude variation (per one turn of cam); $\alpha = \frac{1}{4}$ is the exponent that characterizes the changes of stress amplitudes within the range σ_{max} ; σ_{min} (curves 1 and 2 in Fig. 1). The selected law of variation corresponds to cyclic loads of cranes. The total life of specimen N, is determined by $N = n_c \lambda$, where λ is the number of cam turns until the destruction of the specimen. A graph is plotted for steel 40 on the basis of experimental data. The analysis of curves indicates that an increase between the maximum and minimum levels of stresses shifts the fatigue line to the right. There is a simultaneous level increase in the maximum stressing. With adequate accumulation of results due to Card 2/8

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86300513R000824320019-S/145/61/000/005/005/009 D221/D306

Consideration of variable loads ...

similar tests, it will be possible to provide empirical relationships between the life duration and load curves which would form a basis for calculations of a specified service term. At present, the calculation of components subject to variable stresses is being carried out in respect to the equivalent load or limit stress. In the case of the intermittent law of fluctuations in the stress amplitude

$$\lambda \int \frac{dn_{\underline{1}}}{N_{\underline{1}}} = a \tag{4}$$

is employed as stated by S.V. Serensen and L.A. Kozlov (Ref. 4: Vestnik mashinostroyeniya, no. 12, 1953). In the above equation, $\mathrm{dn}_{\dot{1}}$ is an infinitely small number of cycles of loads during the intermediate stressing of $\sigma_{\dot{1}}$, $\mathrm{N}_{\dot{1}}$ is the number of cycles prior to destruction with a stress of $\sigma_{\dot{1}}$ on the endurance curve and in the case of a constant amplitude of stresses. Coefficient a is a cha-

Card 3/8

S/145/61/000/005/009 Consideration of variable loads ... S/145/61/000/005/005/009

racteristic resistance to overloads of the material, λ is the number of fluctuation periods of the stress amplitude during the life. Substituting the differential $\mathrm{dn_4}$ from Eq. (1) into

$$N = n_{c} \bar{\lambda}, \qquad (2)$$

as well as N_i from the expression of the endurance curve, $N_i o_i^m = N_0 \sigma_{-1}^m$, the author deduce

$$\frac{N}{4\sigma_{\min}^{m} N_{0} (\sigma_{\max} - \sigma_{\min})^{\frac{1}{4}}} \int_{\sigma_{\min}}^{\sigma_{\max}} \sigma_{l}^{m} (\sigma_{l} - \sigma_{\min})^{-\frac{3}{4}} d\sigma_{l} = a,$$
 (5)

where σ_{-1} is the continuous limit of endurance in the case of a constant amplitude of stresses with a symmetrical cylce; N_o is the number of cycles corresponding to the bend of the endurance curve; N is the number of cycles of destruction given by Eq. (2); m is Card 4/8

28171

S/145/61/000/005/005/009 D221/D306

Consideration of variable loads ...

the cotangent of angle of the inclination between the endurance curve and the horizontal axis. A clearer notion on the "relief" of surface which is formed by values of a is obtained from a special graph, shown in Fig. 8. This is polotted for steel CT 45 (ST 45), and for different combinations of $\sigma_{\max}/\sigma_{-1}$ and $\sigma_{\min}/\sigma_{-1}$. Analysis of data indicates that the characteristic of a decreases with the rise of ultimate strength of steel. The relationship is involved. Simplification in calculations is achieved by assuming a = 1. This results in 4 % errors for "soft" steels and 5 % for hard materials. It appears that in the case of variable amplitude of stresses, the continuous limit of endurance rises with respect to the maximum stress, or a sharp bend of fatigue curves takes place when a greater number of load cycles will be required for the destruction of the component. Consequently, prior to the accumulation of an adequate amount of experimental data, it is necessary to determine the equivalent number of cycles by assuming a = 1, and excluding $\frac{\sigma_{\min}}{1}$ <0.3 from calculations. A numerical example is given Mmax Card 5/8

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824320019-2

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824320019-2

s/032/61/027/004/012/028 B103/B201

AUTHOR:

Konovalov, L. V.

TITLE:

Test method of the fatigue bending strength of steel to determine the effect of drawing under stress and of

periodic recovery

PERIODICAL:

Zavodskaya laboratoriya, v. 27, no. 4, 1961, 441-443

TEXT: The author describes the determination methods for drawing under stress and for periodic standstill upon the fatigue bending stress of steel, and presents the results obtained. He used smooth, round steel samples (type 45) tested in a modernized fatigue-testing machine (TSNIITMASh construction type y -20 (U-20)) adapted for automatic starting and stopping. Two "cantilever samples" (konsol'naya proba) at a time could be tested by it. The problem has been so far insufficiently dealt with in the literature. The following facilities were added to the machine: brake 1, counter of stress cycles 2, and two limit switches 3 (Fig. 2). Drive, sample fixing facility 4, stress device 5 were left unchanged. To achieve the automation of the testing course, electric

Card 1/7

S/032/61/027/004/012/028 B103/B201

Test method of the fatigue ...

motor 6 and the coil of the brake magnet were connected to the drumlike control system which featured a counter for the number of switchings (Fig. 3). The respective limit switch stopped the machine whenever a sample broke. The counter of stress cycles 2 and that of switchings made it possible to control the fulfillment of the present test program. Counter 2 (Fig. 2) was necessary since due to frequent starting and stopping discrepancy resulted between the rpm of the motor and that of the spindles 7. The switch-in counter was a pulse counter recording also the number of current pulses fed to the motor. It received the pulses via the control system. The joint action of the two counters makes it possible to rigorously observe the required interrelations between switchin duration ("work of sample") and standstill ("recovery of sample"), in that a chosen number of switchings per minute is ensured. Tests have been conducted under uninterrupted operation and by two programs "work standstill". The value ED of the relative switch-in duration and the number of switchings have been in every single program chosen in such a way as to correspond to the measured characteristics of lifting mechanisms in ordinary traveling cranes.

Card 2/7

S/032/61/027/004/012/028 B103/B201

Test method of the fatigue ...

Card 3/7

 $ED = \frac{T_{mach}}{T_{Z}} \cdot 100, \quad \text{where } T_{mach} \quad \text{denotes the working time of the mechanism,}$ and T_{Z} is the cycle duration. The fatigue curves of Fig. 4 are based on the author's results. The results have been interpreted by making use of A. K. Mitropol'skiy's and M. Ya. Shashin's methods, and resulting data have served as the basis for the author's table. The main divergences σ_{X} and σ_{Y} have been calculated, and the following correlation equation has been derived: $X_{Y} = \overline{X} + r_{1/1} \cdot \frac{\sigma_{X}}{\sigma_{Y}} (Y_{1} - \overline{Y}), \quad \text{where } \overline{X} \text{ denotes the average probable value of the log of cyclic durability, and } Y_{1} \text{ is a random value of the logarithm of stress. Then, (in logarithmic coordinates)}$ $r_{1/1} \cdot \frac{\sigma_{X}}{\sigma_{Y}} = m$, i.e., equal to the exponent of the equation of the fatigue curve $\sigma^{m} \cdot Z = \text{const.}$ Both this equation and the correlation equations

derived by the author are valid only for stresses below the yield point.

Test method of the fatigue ...

S/032/61/027/004/012/028 B103/B201

The author summarizes his findings as follows: (1) His fatigue test methods permit the evaluation of the effect of drawing under stress as well as the periodic standstill upon the fatigue bending strength of steel. (2) His test programs have yielded equal values for the long-time fatigue limit. The value of the exponent m in the fatigue curve remained practically constant. (3) The short part of the fatigue curve is shifted to the left with growing number of switchings per minute. This has to be taken into account when calculating machine parts for fatigue. There are 4 figures, 1 table, and 5 Soviet-bloc references.

ASSOCIATION:

Vsesoyuznyy nauchno-issledovatel'skiy institut pcd"yemnotransportnogo mashinostroyeniya (All-Union Scientific Research Institute of Lifting and Transportation Machine Building)

Card 4/7

SNESAREV, G.A.; KONCVALOV, L.V.

Standardization of crane mechanisms and regulation of their operating conditions. Standartizatsiia 25 no.8:15-19 Ag '61.

(MIRA 14:7)

(Cranes, derricks, etc.--Standards)

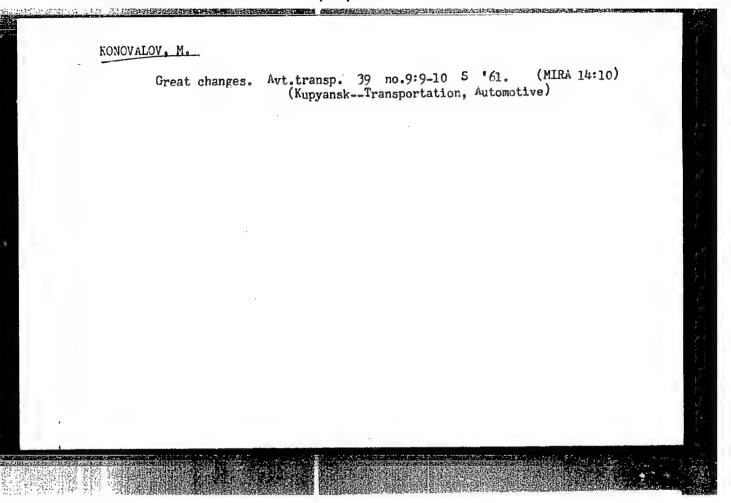
Investigating fatigue strength of steel under operating conditions of crane mechanisms. Vest.mash. 42 no.31:21-24 Mr (MIRA 15:3)

(Steel-Fatigue)

TIMOSHUK, L.T.; KULIKOV, A.P.; KONOVALOV, L.V.; SHUVALOV, S.A.

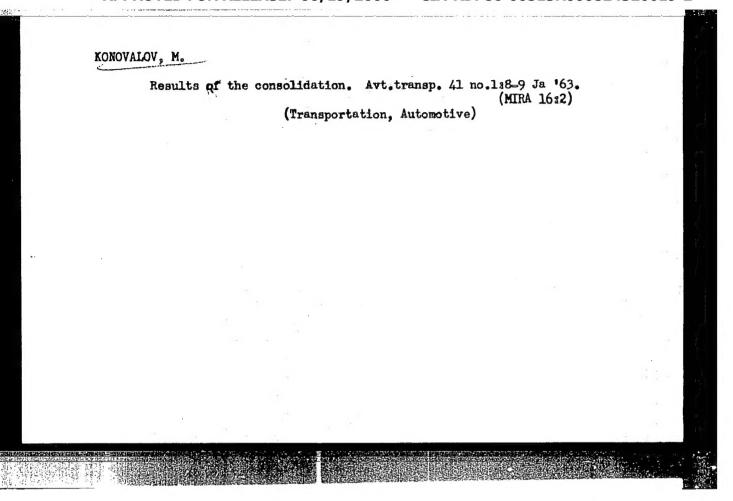
Parameter "a" as characteristic of metal resistance to overloading.
Sbor. trud. TSNIICHM no.24:349-369 '62. (MIRA 15:6)

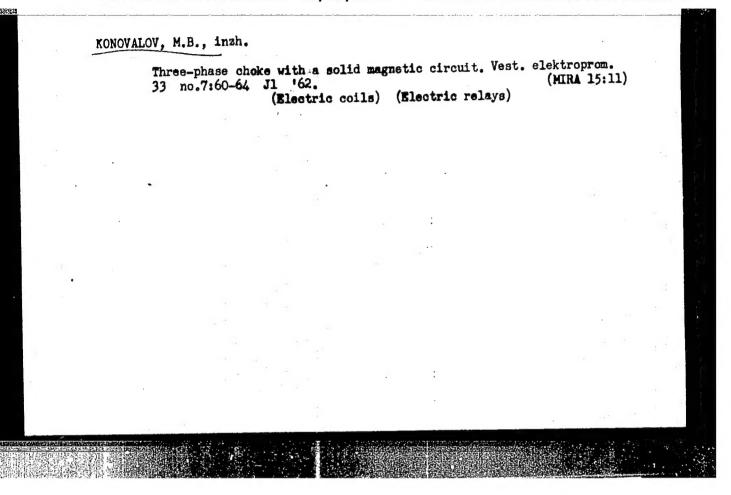
(Steel--Testing) (Strains and stresses)

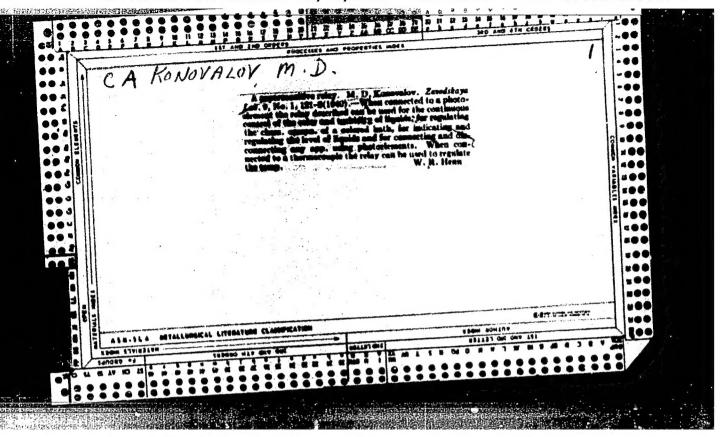


KONOVALOV, M.

Stand for dismantling and assembling of the front axle of the GAZ-51 motortruck. Avt.transp. 40 no.10:54 0 '62. (MIRA 15:11) (Motortrucks—Maintenance and repair)







LETOKHOV, V.S.; VATSURA, V.V.; PUKHLIK, Yu.A.; FEDOTOV, D.I.; KOSOZHIKHIN, A.S.; ZHABOTINSKIY, M.Ye.; DASHEVSKAYA, Ye.I.; KOZLOV, A.N.; RUVINSKIY, L.G.; VASIN, V.A.; YURGENEV, L.S.; NOVOMIROVA, I.Z.; PETROVA, G.N.; SHCHEDROVITSKIY, S.S.; BELYAYEVA, A.A.; BRYKINA, L.I.; GLEBOV, V.M.; DRONOV, M.I.; KONOVALOV, M.D.; TARAPIN, V.N.; MIKHAYLOVSKIY, S.S.; ZHEGALIN, V.G.; ZHABIN, A.I.; GRIBOV, V.S.; MAL'KOV, A.P.; CHERNOV, V.N.; RATNOVSKIY, V.Ya.; VOROB'YEVA, L.M.; MILOVANOVA, M.M.; ZARIPOV, M.F.; KULIKOVSKIY, L.F.; GONCHARSKIY, L.A.; TYAN KHAK SU

Inventions. Avtom. i prib. no.1:78-80 Ja-Mr '65. (MIRA 18:8)